INDEX TO GEOPHYSICAL ABSTRACTS 88–91

JANUARY–DECEMBER 1937

1. GRAVITATIONAL METHODS

	No.	Abst.
Andreev, B. A., Diagram for a more rapid calculation of the gradients U_{xz} and U_{yz}	91	3934
—— On the possibility of shortening the time of observation in working with the gravitational variometer type Z–40, manufactured by the "Askania-Werke"	91	3935
Ansel, E. A., Gravity anomalies with regard to the form of disturbance of strata in the earth's crust	88	3525
—— Contribution to the analysis of gravity anomalies	91	3936
Boaga, G., Localization of a spherical body by the Eötvös balance	90	3798
Bullard, E. C., Gravity measurements in Tanganyika Territory, carried out by the Survey Division, Department of Lands and Mines	89	3661
—— Gravity measurements in the Anglo-Egyptian Sudan	89	3671
Eeg-Olofsson, T., Gravity measurements in southern Sweden with astatic quartz pendulum	88	3530
Evsejev, S. V., Computation of corrections of topographical effects, so-called "curvatures," used in torsion balance observations	89	3657
Gabriel, V. G., Some graphical solutions in torsion balance prospecting	91	3937
Gammon, William, Use of submarines suggested to seek structures in Gulf	91	3938
Gassmann, Fritz, Modification of Haalck's method for calculating the terrane-corrections in torsion-balance measurements	88	3527
Glennie, E. A., The depth of the Gangetic and Cuddapah downwarps in India	89	3658
Goudey, Raoul, Measurements of the intensity of gravity in France during 1936	90	3799
Gulatee, B. L., Gravity, geoid and plumb-line deflections in mountainous areas	90	3800
Gunn, Ross, Origin of continents and their motions	89	3659
Haalck, H., Report on the present condition of the development of the statistical gravity meter	88	3529
Heiskanen, W., On the question of isostasy	90	3801
Hirvonen, R. A., On the accuracy of the correction of co-oscillation of a pendulum swinging separately	90	3802
—— Relative determinations of gravity in Finland in 1931, 1933, and 1935	90	3803
Holweck, F., Holweck-Lejay gravimeter	89	3660
Horsfield, W., Gravity measurements in Tanganyika Territory carried out by the Survey Division, Department of Lands and Mines	89	3661
Hughson, W. G., Gravity and isostasy in Canada	89	3668
Ising, Gustaf, Gravity measurements in southern Sweden with astatic quartz pendulum	88	3530
—— Use of astatized pendulums for gravity measurements	90	3804
Jeffreys, Harold, On the figure of the earth and moon	89	3662
Jung, Karl, Direct methods for determining disturbing masses from anomalies of the intensity of gravity	90	3805
Khramov, D. N., Figure of the geoid and gravity measurements	88	3534
—— On the determination of the figure of the geoid from gravity measurements	88	3535
Lagrula, Jean-Louis, Measurements of the intensity of gravity carried out in North Africa during 1936	89	3663
Lambert, W. D., The analogue of Stokes' formula for the Prey and Bouguer gravity anomalies	89	3664
—— The figure of the earth from gravity observations	90	3806

	No.	Abst.
Lejay, Pierre, Measurements with Holweck-Lejay gravimeter	89	3665
—— New determinations of gravity in Europe and in states of the Levant	91	3939
—— General characteristics of gravity in the states of the Levant	91	3940
Lettau, Heinz, The horizontal double pendulum	89	3666
Leushin, P. I., Brief report on the work of the Transcaucasian gravimetrical expedition of 1931	89	3667
Longwell, C. R., Geological interpretation of gravity anomalies in Connecticut and Massachusetts	88	3531
Mader, Karl, Gradient and curvature of a segment of an infinite horizontal cylinder	88	3532
—— Gradient and curvature value of a segment of an infinite horizontal circular cylinder	90	3807
Mihal, N., On the determination of the figure of the geoid from the anomalies of the horizontal gradient of gravity	91	3941
—— On the determination of the plumb-line deviation from the anomalies in the horizontal gradients of gravity	91	3942
Miller, A. H., Gravity and isostasy in Canada	89	3668
Minakami, Takesi, Torsion-balance surveys on volcano Asama	91	3943
Miyabe, Naomi, Preliminary notes on experimental studies on the plastic deformation of soil	89	3669
—— On the degree of disturbance of the earth's crust	89	3670
Mott-Smith, L. M., Gravitational surveying with the gravity meter	90	3808
Munsey, D. F., Gravity measurements in the Anglo-Egyptian Sudan	89	3671
Nature, London, Gravity measurements in Sweden	88	3528
Nörgaard, G., Statical gravity meter	90	3809
—— Statical gravity measurements on sea and land	90	3810
—— Statical measurements on sea	90	3811
Numerov, B. V., Figure of the geoid and gravity measurements	88	3534
—— On the determination of the figure of the geoid from gravity measurements	88	3535
—— Principles of the method for determining the geoid based on gravimetrical and astronomic-geodetical observations	88	3533
Pekár, Desider, Eötvös torsion balance in the French Limagne	88	3536
Peterson, R. A., Instrument for rapid measurement of gravity	89	3672
Petroleum Zeitschrift, The Thyssen-gravimeter in prospecting for oil	88	3526
Prey, A., Moving continents	88	3537
—— On the force tending to move the continents toward the equator	90	3812
Renner, J., A simple instrument to facilitate gravity calculations	89	3676
Schaffernicht, W., Horizontal pendulum and changes of plumb lines at Marburg	91	3944
Schleusener, Alfred, Measurements with the Thyssen gravimeter in a passenger automobile	88	3540
—— Improvements in measurements with the Tyssen gravimeter made during the years 1935–37	91	3945
Schmidt, K. H., Instruments and operating procedure in geophysical prospecting by gravity methods	89	3674
Schwinner, Robert, Gravity in the western Carpathians	89	3673
Sorber, Heinz, On a two-spring gravimeter	88	3538
Sorokin, L. V., An optical coincidence apparatus	90	3813
—— Visual method for receiving rhythmical time signals during pendulum observations	90	3814
Spaček, Vaclav, The sum of the squares of the deviations of the plumb line upon adjacent ellipsoids and equations for calculating the earth ellipsoid	90	3815
Stenz, Edward, Measurements of gravimetrical gradients in the surroundings of the city of Truskawieč	91	3946
Stubbe, G., Instruments and operating procedure in geophysical prospecting by gravity methods	89	3674
Swick, C. H., Gravity in southeastern Virginia	89	3675
Szecsödy, N., A simple instrument to facilitate gravity calculations	89	3676
Tomaschek, R., Gravity measurements	91	3948
Tromp, S. W., Helmholtz's law and its application to geotectonics	90	3817
Uspenski, D. G., Test work performed by the gravimetrical method on the iron-ore deposits of the Kola Peninsula	88	3539
Van Bemmelen, R. W., The undation theory of the development of the earth's crust	89	3678

	No.	Abst.
von Thyssen, St., Measurements with the Thyssen gravimeter in a passenger automobile	88	3540
—— On the possibility of application of relative gravity measurements in west-German coal fields	89	3677
—— Special measurements of a salt dome disturbed gravimetrically	90	3816
—— Special measurement of a salt dome disturbed gravimetrically	91	3947
von Zwerger, Rudolf, The importance of regional gravimeter measurements as a first step in the further subsurface exploration by geophysical methods	88	3541
Wegener, Kurt, Absolute gravity measurement	90	3818

2. MAGNETIC METHODS

Aschenbrenner, Hans, A device for registering quick magnetic disturbances	88	3542
Bahnemann, Fritz, On the uniformity of representation of magnetic measurements made with the field balance	90	3819
Bartels, J., Information on the ionosphere from analyzing the diurnal earth magnetic variations caused by the sun and the moon	88	3543
Berezkin, A. M., Magnetic anomalies in the Shablykin area, western region of U. S. S. R	91	3949
—— Magnetic investigations in the vicinity of the city of Smolensk	91	3950
Besairie, Henri, Contribution to the study of magnetic declination in Madagascar and its relationship to geology	90	3820
Bohrtechniker Zeitung, A new type of field balance	90	3823
Born, K. E., The Flynn Creek disturbance, Jackson County, Tennessee	89	3698
Bronstein, K. G., Application of a local magnetic constant for geological interpretation of magnetic anomalies	91	3952
—— Study of diurnal variations of magnetic field in the regions of anomalies	91	3956
Burmeister, Fr., Secular variation of magnetic declination in Bavaria from 1850 to 1935	90	3821
Dehalu, M., Geophysical prospecting	90	3822
Dick, J. A., Progress in magnetometer exploration leads to resurvey of many areas	88	3544
Eblé, L., Values of magnetic elements at the station of Val-Joyeux on January 1, 1937	89	3679
Eby, J. B., Magnetic investigations in southwest Alabama	91	3953
Egedal, J., Our knowledge of the variation of magnetic declination and new results obtained from observations at Mogadiscio	91	3951
—— Lunar diurnal variation in earth currents	91	3954
Fanselau, G., Magnetic disturbance April 24–28, 1937	91	3955
Gassmann, Fritz, Disturbance of the earth's field by deposits magnetized by induction	88	3545
Gibsone, John, Measurements of the vertical intensity of the earth magnetic field in the vicinity of Hamburg, especially above the horsts of Stade, Lieth-Elmshorn, Segeberg, and Lüneburg	89	3680
Goubau, Georg, A device for registering quick magnetic disturbances	88	3542
Gusev, P. I., Study of diurnal variations of magnetic field in the regions of anomalies	91	3956
Hameister, Ernst, The distribution of the local magnetization in Hessen for the epoch 1911.0	89	3681
Hasegawa, Mankiti, Analysis of the field diurnal variation of terrestrial magnetism of the different types	89	3682
—— Representation of the field of diurnal variations of terrestrial magnetism by the method of graphical integration	89	3683
—— On the progressive change of the field of diurnal variations of terrestrial magnetism	91	3957
—— Analysis of the field diurnal variations of terrestrial magnetism of different types	91	3958
Bossolasco, Mario, Our knowledge of the lunar diurnal variation of magnetic declination and new results obtained from observations of Mogadiscio	91	3951
Hatakeyama, H., Preliminary investigation on the bay disturbance in the terrestrial magnetic field	90	3824
Hazard, D. L., Magnetic declination in the United States, 1935	89	3684
Howe, H. H., On the theory of the unifilar variometer	90	3825
Hulburt, E. O., Terrestrial magnetic variations and aurorae	91	3959
Ikebe, Tsuneto, Magnetograph for examining sudden changes of magnetic field	91	3970
Jenny, W. P., Oil and gas possibilities in northeastern Arkansas and western Tennessee	90	3826
—— Micromagnetic predictions are proven by drill	90	3827

	No.	Abst.
Johnson, E. A., An astatic magnetometer for measuring susceptibility	91	3960
Kalinowska, Ewa, Secular variations of the local magnetic constant (G) in Swider	91	3961
Kalinowska, Zofia, Secular variations of the local magnetic constant (G) in Swider	91	3961
Katō, Yosio, Magnetic disturbance in the seismic area of the semidestructive Siduoka earthquake of July 11, 1935	88	3546
Kelly, S. F., Magnetic prospecting	88	3547
Keys, D. A., A survey of methods for determining depth of magnetic ore bodies	90	3828
Koenigsberger, J. G., Magnetic susceptibility of rocks from the Swiss Central Alps and the areal susceptibility of the region from Flüelen to Bellinzona	88	3548
—— A comparison between absolute and variometric magnetic measurements	90	3829
Kolomietz, K. W., Examination of the needle declinometer	88	3549
Kothny, G. L., Magnetic method of orienting cores	90	3830
Ljungdahl, G. S., Magnetic secular change in Sweden, 1929–36	90	3831
Logachev, A. A., Magnetic survey from an airplane in the western region of U. S. S. R.	90	3832
Ludy, A. K., Measure of magnetic activity of the earth	91	3966
Lynton, E. D., Laboratory orientation of well cores by their magnetic polarity	91	3962
MacCarthy, G. R., Magnetic anomalies near Wilmington, N. C	90	3833
Malinina, N. E., Study of secular variation on the territory of the U. S. S. R. for the epoch 1930–35	91	3963
Malkin, N. R., On the magnetization of two infinite cylinders	88	3550
—— On the principles of interpretation of magnetic data, especially for layers of ellipsoidal form and on the relationship between the gravitational and magnetic anomalies	91	3964
Maurain, Ch., Probable influence of mechanical action (vibrations) and magnetic disturbance upon the terrestrial magnetic field and its anomalies	90	3834
—— On the possible influence of mechanical vibrations and magnetic disturbances upon the variations in the distribution of the terrestrial magnetic field	91	3965
McFarland, W. N., Magnetic declination in the United States, 1935	89	3684
McNish, A. G., An induction variometer to measure magnetic anomalies	88	3551
—— Magnetic effects associated with bright solar eruptions and radio fade-outs	88	3552
—— Terrestrial magnetic and ionospheric effects associated with bright chromospheric eruptions	90	3835
—— Measure of magnetic activity of the earth	91	3966
—— Electromagnetic method for testing rock samples	91	3967
—— Ultra-violet light theory of magnetic storms	91	3968
Meyer, Gerhard, Earth magnetic investigations in Hegau	90	3836
Mikov, D. S., Magnetometric work in the Urals	91	3969
Molin, Kurt, A general earth magnetic investigation of Sweden	89	3685
Nagaoka, Hantaro, Magnetograph for examining sudden changes of magnetic field	91	3970
Nagata, T., Dip variometer	91	3971
Nicar, E. G., Magnetic investigations in southwest Alabama	91	3953
Nikologorsky, A., The magnetic field of a homogeneously magnetized lens	88	3553
Norinder, Harold, Rapid variations in the magnetic field produced by lightning discharges	91	3972
Noskovskaia, E. A., Magnetic investigations in the vicinity of the city of Smolensk	91	3950
Olczak, T., On the secular variations of vertical intensity in Poland	91	3981
Orkisz, Henryk, Magnetic survey carried out in 1933 in the vicinity of Truskawiec	89	3686
—— Magnetic observations made in 1933 and 1934 in Janow	89	3687
—— Hysteresis in the magnetic balance of the magnetometer	89	3688
—— Note concerning some deficiency of the recording declinometer	89	3689
Orlov, V. P., Study of secular variation on the territory of the U. S. S. R. for the epoch 1930–35	91	3963
—— The new net of magnetic repeat stations	91	3973
Ōta, Masaziro, Analysis of the field diurnal variations of terrestrial magnetism of different types	91	3958
Penkevich, M. S., The universal magnetometer designed by the Central Institute of Terrestrial Magnetism	91	3974

	No.	Abst.
Pogrebov, A. G., Magnetic investigations in the Bukharin area, western region U. S. S. R.	91	3978
Poisson, Charles, On some magnetic rocks in the vicinity of Tananarive	88	3554
—— Benefits of studying local anomalies of the terrestrial magnetic field	91	3975
Popoff, A. I., Magnetic field of an oblique fault	88	3555
Pushkin, N. E., A simplified method of calculating H	91	3976
Rayner, J. H., Report on magnetic prospecting at Tennant Creek	89	3690
Roman, Irwin, Some magnetic gradiometer developments during 1934–35	89	3691
Rose, T. N., Regional magnetic anomalies of Ukraine and their connection with geotectonics	91	3977
Royce, Stephen, Some applications of magnetic surveying to exploration	88	3556
Rusakov, V. P., Magnetic investigations in the Bukharin area, western region U. S. S. R.	91	3978
Schafer, Sidney, Observed and calculated values of the magnetic intensity over a major geologic structure	89	3697
Schlomka, T., Concerning the new Haalck's theory of terrestrial magnetism	90	3837
Schwinner, Robert, Secular variation of vertical intensity and formation of mountains in Austria	90	3838
Scott, W. E., A solar eruption and simultaneous disturbances at Huancayo Magnetic Observatory	88	3561
Sermon, T. C., Some magnetic gradiometer developments during 1934–35	89	3691
Siemens, G., Earth-magnetic investigations of the Elbe Valley zone between Torgau and Dresden	89	3692
Sluchanovsky, A., The mutual potential of two arbitrary magnets and its expression in the form of a function of six elements by which the position of the two bodies is characterized	88	3557
Smith, A. J., Geophysical prospecting at the Windpass mine	88	3558
Solodukho, O. Y., Magnetic survey in the region of Ensk iron ore deposits	91	3979
Soske, J. L., Magnetometer survey of the southern portion of the San Andreas fault	89	3693
Stagg, J. M., Aspect of the current system producing magnetic disturbance	89	3694
Stanton, H. E., A solar eruption and simultaneous disturbances at Huancayo Magnetic Observatory	88	3561
Steiner, W. F., An astatic magnetometer for measuring susceptibility	91	3960
Stenz, Edward, On the secular change of magnetic declination in Cracow	91	3980
—— On the secular variations of vertical intensity in Poland	91	3981
Straley, H. W., Magnetic anomalies near Wilmington, N. C.	90	3833
Stroganov, V., On the solution of the Robin-Poincare problem for a rectangle	88	3559
Svetlov, A., On the solution of the Robin-Poincare problem for a rectangle	88	3559
Thellier, Emile, Magnetization of baked earths, application to the research of the intensity of the terrestrial magnetic field in the past	89	3695
—— On the permanent magnetization of basalts	89	3696
Toperczer, M., On the knowledge of the earth's magnetic field from the results of the magnetic survey of Austria 1930.0; Correction of some values of the vertical intensity	88	3560
Torreson, O. W., A solar eruption and simultaneous disturbances at Huancayo Magnetic Observatory	88	3561
Trubiatchinsky, N. N., Secular variations of geomagnetic elements as a geophysical method for studying epeirogenetic movements of the earth's crust	91	3982
Uhrig, L. F., Observed and calculated values of the magnetic intensity over a major geologic structure	89	3697
Vacquier, Victor, Short-time magnetic fluctuations of local character	90	3839
Virin, A. Y., Magnetic anomalies in the Shablykin area, western region U. S. S. R.	91	3949
Waters, K. H., A magnetometric survey in the Lincolnshire iron field	90	3840
Whetton, J. T., The physical aspect of magnetometric surveying	91	3983
—— Practical applications of magnetometric surveying	91	3984
Wilson, C. W., Jr., The Flynn Creek disturbance, Jackson County, Tenn.	89	3698

3. SEISMIC METHODS

Angenheister, G., Earth vibrations	89	3699
Barab, J., Explosives for seismic exploration	90	3842
Bastings, L., Some seismological aspects of the Buller earthquake, II, The P waves in the distant hemisphere	88	3562
Berlage, H. P., Jr., A provisional catalogue of deep-focus earthquakes in the Netherlands East Indies, 1918–36	91	3985

	No.	Abst.
Berroth, A., Geometrical solution of the fundamental problems of seismics applied in geology	90	3843
Bodle, R. R., Earth movements in the region of Boulder Dam	91	3986
Bois, Charles, On the effect of long waves and the depth of the focus of the earthquake	88	3563
—— Comparison between the values of focal depths of earthquakes determined with the aid of Wadati's tables and those obtained by means of Brunner's curves	89	3700
—— On the determination of focal depths of very distant quakes	90	3844
—— Determination of epicentral distance of a deep-focus earthquake with the aid of tables prepared for normal earthquakes	90	3845
Bullen, K. E., On near earthquakes in the vicinity of New Zealand	88	3564
—— The variation of density and the ellipticities of strata of equal density within the earth	88	3565
—— The ellipticity correction to travel-times of *P* and *S* earthquake waves	91	3987
—— A suggested new "seismological" latitude	91	3988
—— Tables for reduction of apparent travel-times of *P* and *S* seismic waves	91	3989
Bungers, Rolf, Recent investigations on the forms of oscillations in applied seismics	88	3566
Buwalda, J. P., Seismic reflection profile across Los Angeles Basin	89	3706
Byerly, Perry, Earthquakes off the coast of northern California	91	3990
—— Northern California earthquakes, January 1–December 31, 1936	91	3991
Caloi, P., Two new types of seismic waves in the light of Somigliana's theory	89	3701
—— On a long wave oscillating in the main plane	91	3992
Carder, D. S., Observed vibrations of buildings	88	3567
Civil Engineering (editorial), New shaking-table reproduces earthquakes	88	3589
Collins, M. P., The New Hampshire earthquakes of November 9, 1936, and further data on New England travel-times	91	3993
Conrad, V., Earthquakes and changes in atmospheric pressure	90	3846
Crary, A. P., Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, part 1, Methods and results	89	3703
—— Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, Methods and results	91	3996
Dahm, C. J., Revised travel-time tables	91	4010
Davies, R., The use of reversed refraction arcs in seismic surveying	88	3568
Davison, Charles, The distribution of deep-focus earthquakes	91	3994
Delancy, J. P., A plausible seismometer and its performance	91	3995
Dobberstein, Heinz, A photoelectric vibration indicator	90	3847
Earthquake Notes (editorial), An introduction to the seismograph for the amateur	90	3841
Einaudi, Renato, A new interpretation of seismic waves	89	3702
Engineering News-Record (editorial), Seismic survey program extended into Montana	90	3860
Ewing, Maurice, Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, part 1, Methods and results	89	3703
—— Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, Methods and results	91	3996
Faltas, Fayek, Seismic determination of the position of an inclined plane border layer from travel-times and amplitudes	88	3579
—— Constructive determination of an inclined layer from travel-time curves and azimuth deviations	89	3704
Farren, W. R., Recent developments in explosives for seismograph prospecting	90	3848
Freeman, L. J., The seismograph an aid to the geologist in Arkansas	90	3849
Frost, D. V., Seismic method of prospecting for ores	90	3850
Fukutomi, Takaharu, Some statistical problems concerning initial earthquake motion	88	3569
Gabriel, V. G., Seismic prospecting in exploration for oil	91	3997
Gassmann, Fritz, Seismic determination of a reflecting plane	91	3998
Gilmore, M. H., Earthquake investigations	91	3999
Grenet, G., Representation of the working of electromagnetic seismographs by equivalent electric currents, applications	89	3705
Gutenberg, Beno, Structure of the earth's crust and the spreading of the continents	88	3570
—— On some problems concerning the seismic field methods	88	3572
—— The amplitudes of waves to be expected in seismic prospecting	88	3571
—— Materials for the study of deep-focus earthquakes	88	3573
—— Seismic reflection profile across Los Angeles Basin	89	3706

	No.	Abst.
Hagiwara, Takahiro, Report on the work of the Earthquake Research Institute, Tokyo Imperial University, during the year 1933–34	90	3851
—— Studies on the propagation of the artificial earthquake waves through superficial soil or sand layers and the elasticity of soil and sand	91	4017
Hayes, R. C., Intensity distribution in New Zealand earthquakes; Relative intensity in various localities	88	3574
Heck, N. H., The earthquake problem	88	3575
—— Seismological investigations in the western mountain region	88	3576
Heiland, C. A., Reflection seismic instruments and their efficiency	89	3707
—— Note on reflections from steeply dipping beds	91	4000
Heinrich, Determination of the velocities of propagation of elastic waves in Upper Silesian carbon	89	4000
Herrmann, H., Ground pressure and plate-statistics: Tests on the elastic properties of coal-measure rocks from Upper Silesian mines, part 2	88	3577
—— Ground pressure and plate statics, part 2, Tests on the elastic properties of rocks from Lower Silesia and Westphalia	90	3864
Hodgson, J. H., On the differential coefficients in Geiger's method of locating epicenters	91	4001
Iida, Kumizi, Determination of elastic constants of soils by means of vibration methods, part 1, Young's modulus	89	3709
—— Determination of elastic constants of soils by means of vibration methods, part 2, Modulus of rigidity and Poisson's ratio	91	4002
Ishimoto, Mishio, Determination of elastic constants of soils by means of vibration methods, part 1, Young's modulus	89	3709
—— Determination of elastic constants of soils by means of vibration methods, part 2, Modulus of regidity and Poisson's ratio	91	4002
Jameson, M. H., Wave front encountered in weathering determinations	91	4003
Jeffreys, Harold, The structure of the earth down to the 20° discontinuity (2nd paper)	89	3710
—— The Italian earthquake of July 23, 1930	90	3852
—— The ellipticity correction in the *P* table	91	4004
—— Reliability of Pacific seismological stations	91	4005
Jones, J. H., A method of testing reflection seismographs	88	3578
—— A seismic reflection survey in eastern England	91	4006
Kamel, Mostafa, Seismic determination of the position of an inclined plane border layer from travel-times and amplitudes	88	3579
—— Seismic determination of the dip and strike from amplitudes	88	3580
Kanai, Kiyoshi, Seismic vibrations in actual buildings	88	3598
—— Damping of seismic vibrations of a surface layer due to obliquely incident disturbance	88	3599
—— Damping in seismic vibrations of a surface layer due to an obliquely incident disturbance	89	3721
—— The effect of stiffness of floors on the horizontal vibrations of a framed structure	89	3722
—— Energy dissipation in seismic vibrations of actual buildings predicted by means of an improved theory	89	3723
—— Energy dissipation in seismic vibrations of an 8 storied structure	89	3725
—— On the seismic vibrations of a gozyunoto [pagoda]	89	3726
—— Resonance phenomena and dissipation of waves in the stationary vibrations of a semi-infinite body	91	4025
—— Resonance phenomena and dissipation waves in the stationary vibration of the surface of a spherical cavity	91	4026
—— A method of minimizing the seismic vibrations of a structure	91	4027
—— Further studies on the seismic vibrations of a gozyunoto	91	4028
—— Elastic deformation of a stratified body subjected to vertical surface loads	91	4029
—— Energy dissipation in vibrations of a bridge	91	4030
Kawasumi, Hiroshi, Initial motion of seismographs	88	3581
—— Theoretical and experimental study of initial motion of seismographs and the quantitative study of first impulsion of earthquake	89	3711
—— Theoretical and experimental study of initial motion of seismographs and the quantitative study of first impulsion of earthquake, part 2	89	3712
Kaye, M. K., Reconnaissance geology in State of Anzoategui, Venezuela, South America	89	3713

	No.	Abst.
Kinosita, Zyuniti, Initial motion of seismographs	88	3581
—— Theoretical and experimental study of initial motion of seismographs and the quantitative study of first impulsion of earthquake, part 2	89	3712
—— Some experiments on the generation and propagation of elastic waves	91	4007
Kirillov, F. A., Propagation of ground oscillations produced by impulsive forces	89	3714
Köhler, Reinhard, Contribution to the interpretation of various groups of waves in seismograms produced by blasts	91	4008
Landsberg, Helmut, Note on earthquake intensities on different floors of houses	90	3853
Lee, F. W., Earth vibrations caused by quarry blasting	88	3582
Leet, L. D., A plutonic phase in seismic prospecting	91	4009
Lynch, J. J., Modern seismology and some of its problems	89	3715
Macelwane, J. B., Revised travel-time tables	91	4010
Mainka, Karl, Some results in the geophysical investigation of bumps	88	3583
Martin, J. M., Explosives for seismic exploration	90	3842
Martin, H., The foundations for the determination of oscillations caused by traffic	88	3584
—— Investigations on a shaking table	88	3585
—— Onset phenomena and their importance in the record of shock-like oscillations	89	3716
McComb, H. E., Shaking table investigations of teleseismic seismometers	88	3586
—— The Galitzin seismometer	88	3603
—— Tests of earthquake accelerometers on a shaking table	91	4011
—— Preliminary report on a photoelectric pendulum control for recorder clocks	91	4022
McDermott, Eugene, Use of multiple seismometers	89	3717
Miller, B. L., Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, geological significance of geophysical data	91	4012
Mitera, Zygmunt, Reflection seismology in exploring for potential fields in Poland	88	3587
—— Problems of application of seismic reflection methods in the Polish eastern Carpathian Mountains in the light of present investigations	91	4013
—— Studies of seismic methods of prospecting and their application in exploration for oil in Poland	91	4014
Mott-Smith, M., Adverse effects associated with variably compounded seismograph records	91	4015
Nasu, Nobuji, Studies on the propagation of the artificial earthquake waves through superficial soil or sand layers and the elasticity of soil and sand	91	4017
Neufeld, J., Fundamental relations in seismometry	91	4023
—— Equivalent electrical network of some seismographs	91	4024
Niethammer, T., Basle universal seismograph	91	4018
Nishimura, Genrokuro, On stresses in the interior and in the vicinity of a spherical inclusion in a gravitating semi-infinite elastic solid	88	3590
—— On stresses in the interior and in the vicinity of a horizontal cylindrical inclusion of circular section in a gravitating semi-infinite elastic solid	88	3591
Nopcsa, F. B., On connections existing between earthquakes and atmospheric pressure	90	3854
Oddone, Emilio, Waves following P_n, at 30° and 80° from epicenter	91	4019
Oil Weekly (editorial note), New portability in seismic instruments throws open important Gulf Coast areas heretofore largely unexplored	88	3588
Omote, Syun'itiro, Studies on the propagation of the artificial earthquake waves through superficial soil or sand layers and the elasticity of soil through superficial soil or sand layers and the elasticity of soil and sand	91	4017
Pentz, H. H., Formula of calculation of slope of reflecting horizons in seismic reflection prospecting	88	3592
Pirson, S. J., Continuous profiling methods of seismographing for oil structures	90	3855
—— Practical graphical and approximation methods for dip-shooting calculations	90	3856
—— The correlation method of seismographing for oil	91	4020
Puchkov, S. V., Propagation of ground oscillations produced by impulsive forces	89	3714
Ramspeck, A., Application of sinusoidal elastic waves in investigating the ground assigned for construction of buildings	88	3593
—— Turning points in the travel-time curve of sinusoidal waves	89	3718

	No.	Abst.
Reich, H., On the geological interpretation of seismic reflection measurements	89	3719
—— Seismic refraction methods in the geophysical survey of Germany	91	4021
Richter, C. F., Materials for the study of deep-focus earthquakes	88	3573
Rieber, Frank, Geological causes of poor reflection records	88	3594
—— Applications of geo-sonograph to petroleum exploration	89	3720
—— Complex reflection patterns and their geologic sources	90	3857
Rolland, G. F., Developments of essential characteristics in electric blasting caps for seismograph prospecting	90	3858
Rosaire, E. E., Exploration by the reflection seismograph in the Gulf Coast of Texas and Louisiana	88	3595
—— Exploration by the reflection seismograph in the Gulf Coast of Texas and Louisiana	90	3859
Ruge, A. C., Tests of earthquake accelerometers on a shaking table	91	4011
—— Preliminary report on a photoelectric pendulum control for recorder clocks	91	4022
Rutherford, H. M., Geological interpretations of seismic reflection data on the Gulf Coast	88	3596
—— Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, part 1, Methods and results	89	3703
—— Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, Methods and results	91	3996
Scherbatskoy, S. A., Fundamental relations in seismometry	91	4023
—— Equivalent electrical networks of some seismographs	91	4024
Schulze, G. A., The elastic behavior of the ground produced by a sinusoidal impulse	88	3597
Sezawa, Katsutada, Seismic vibrations in actual buildings	88	3598
—— Damping of seismic vibrations of a surface layer due to obliquely incident disturbance	88	3599
—— Damping in seismic vibrations of a surface layer due to an obliquely incident disturbance	89	3721
—— The effect of stiffness of floors on the horizontal vibrations of a frame structure	89	3722
—— Energy dissipation in the seismic vibrations of actual buildings predicted by means of an improved theory	89	3723
—— The effect of differences in the media on the distribution of displacements in a seismic wave front	89	3724
—— Energy dissipation in seismic vibrations of an 8-storied structure	89	3725
—— On the seismic vibrations of a gozyunoto [pagoda]	89	3726
—— Resonance phenomena and dissipation waves in the stationary vibrations of a semi-infinite body	91	4025
—— Resonance phenomena and dissipation waves in the stationary vibration of the surface of a spherical cavity	91	4026
—— A method of minimizing the seismic vibrations of a structure	91	4027
—— Further studies on the seismic vibrations of a gozyunoto	91	4028
—— Elastic deformation of a stratified body subjected to vertical surface loads	91	4029
—— Energy dissipation in vibrations of a bridge	91	4030
Shnirmann, G. L., Electrical methods of graduating electrodynamic seismographs and oscillographs	89	3727
—— Condenser seismograph	89	3728
—— Electromagnetic seismograph	89	3729
Sineriz, J. G., Seismic investigation of the Strait of Gibraltar	90	3861
Skriabin, V. I., Experimental and theoretical investigations on dispersion and absorption of elastic waves	89	3730
Slichter, L. B., Exhibition and description of three-component portable seismograph	88	3600
Smith, A. L., Abnormal velocities in sedimentary beds in eastern Utah	90	3862
Sokolov, P. T., Experimental and theoretical investigations on dispersion and absorption of elastic waves	89	3730
Sponheuer, W., Oscillation of buildings during an earthquake shock	90	3863
Stöcke, K., Ground pressure and plate statics: Tests on the elastic properties of coal-measure rocks from Upper Silesian mines, part 2	88	3577
—— Ground pressure and plate statics: Tests on the elastic properties of rocks from Lower Silesia and Westphalia	90	3864
Stoneley, R., Surface waves associated with the 20° discontinuity	89	3731
—— Love-waves in a triple surface layer	89	3732

	No.	Abst.
Takahasi, K., On the effect of the block structure of the earth's crust on the propagation of seismic waves	91	4031
Takahasi, Ryutaro, Tilt of the earth's crust observed at the Asama volcano	88	3601
Takayama, Takeo, On stresses in the interior and in the vicinity of a spherical inclusion in a gravitating semi-infinite elastic solid	88	3590
—— On stresses in the interior and in the vicinity of a horizontal cylindrical inclusion of circular section in a gravitating semi-infinite elastic solid	88	3591
Taylor, J., Intensive seismic exploration in North Louisiana	90	3865
Thoenen, J. R., Earth vibrations caused by quarry blasting	88	3582
Trappe, Fr., Application of the seismic reflection method in Germany	88	3602
—— Contributions to the application of the reflection method in Germany	91	4032
Udluft, H., Ground pressure and plate statics: Tests on the elastic properties of coal-measure rocks from Upper Silesian mines, part 2	88	3577
—— Ground pressure and plate statics: Tests on the elastic properties of rocks from Lower Silesia and Westphalia	90	3864
Ulrich, F. P., Progress report for 1935 of the California seismological program of the United States Coast and Geologic Survey	89	3733
Urren, L. C., New method of seismic survey affords more information	89	3734
Visser, S. W., Some remarks on the deep-focus earthquakes in the International Seismological Summary, second paper	90	3866
Wanner, E., Earthquake statistics, parts 1 and 2	91	4033
Washburn, H. W., Experimental determination of the transient characteristics of seismograph apparatus	91	4034
Wenner, Frank, Shaking-table investigations of teleseismic seismometers	88	3586
—— The Galitzin seismometer	88	3603
White, H. H., Recent developments in explosives for seismograph prospecting	90	3848
—— Developments of essential characteristics in electric blasting caps for seismograph prospecting	90	3858
Wilson, J. K., Abnormal velocities in sedimentary beds in eastern Utah	90	3861
Windes, S. L., Earth vibrations caused by quarry blasting	88	3582
Yamaguti, Seiti, World distribution of "deep" earthquakes	91	4035
Yosimatu, T., On the regional and local factors of earth currents at the Kakioka magnetic observatory, part 1	90	3867
—— On the earth-current variations accompanied with the remarkable earthquakes, "Nijima," Nov. 27, 1936, and "Nojimazaki," Oct. 26, 1936	90	3868
zur Mühlen, Walter von, Seismic surface waves and questions of gross tectonics of north and central Germany	88	3604
—— On some problems of applied seismics	91	4016

4. ELECTRICAL METHODS

Andrianov, P. J., The dilatograph with photoregistrator	90	3869
Armstrong, H. K., Geoelectric exploration in the Tejon Ranch area, California	88	3607
Arnold, G., Sources of error in measuring earth currents in short lines, as observed in the Taunus Observatory	89	3735
Azo, U., The "loop" method in the tectonic geophysical prospecting	90	3887
Barbey, O., Application of electrical methods for bore-hole investigations	89	3736
Barrow, W. L., Transmission of electromagnetic waves in hollow tubes of metal	89	3754
Brown, J. G., The effect of overcast sky upon the local diurnal variation of the earth's electric field	90	3870
Card, R. H., Correlation of earth resistivity with geological structure and age	90	3871
Carson, J. R., Hyperfrequency wave guides—mathematical theory	89	3755
Dostovalov, B., Generator with directed radiation for prospecting by the inductive method	89	3737
—— Measurements of dielectric constant (ϵ) and specific resistance (ρ) of rocks	91	4036
Fedukovich, V., Electrometric prospecting in the Ukranian S. S. R	89	3739
Fritsch, Volker, Contribution to radio prospecting according to the capacity method	88	3605
—— Contribution to radiogeology—some remarks on the propagation of Hertzian fields in mountains	89	3740
—— On radio tests on the Danube between Passau and Russe in the summer of 1936	89	3741
—— Investigation of the underground by means of radio (radio prospecting)	90	3872

	No.	Abst.
Fritsch, Volker, Possibilities of radio prospecting for oil	90	3873
—— Contribution to radiogeology, 4, Representation of the properties of geological conductors	90	3874
—— Recent investigations on radiogeology	90	3875
—— Influence of the content of water on the resistance of geological conductors	90	3876
—— Recent investigations on radiogeology	91	4037
—— Radiogeology	91	4038
—— Contribution to radiogeology, 5, Investigations on the application of radio prospecting according to the so-called capacity method	91	4039
—— Information on the results of radio experiments carried out on the Danube in 1930–36	91	4040
Gassmann, Fritz, A geoelectric resistance meter	90	3877
Gish, O. H., The natural electric currents in the earth	88	3606
Golovtzyn, V. N., On the possibility of application of the electrometric method for studying karst phenomena	89	3742
Hedstrom, Helmer, Phase measurements in electrical prospecting	90	3878
Hopper, R. H., The effect of moisture on the direct-current resistivities of oils, sands, and rocks	90	3879
Horvath, Sepp, The geophysical methods of the Electrical Prospecting Co. of Sweden used in the aerial, geological, and geophysical survey of Northern Australia	89	3743
Hummel, J. N., Influence of mud filling of boreholes on the apparent specific resistance	89	3744
—— The causes of the seismic-electrical effect	90	3891
Jakosky, J. J., Geoelectric exploration in the Tejon Ranch area, California	88	3607
—— Prospecting for oil structures by electrical methods	89	3745
—— The effect of moisture on the direct-current resistivities of oils, sands, and rocks	90	3897
Johnson, E. A., Design of tuned resistance-capacity coupled amplifiers	88	3608
Krasnow, Shelley, Discovering underground conditions	91	4041
Löwy, H., The fundamental principle of applied geophysics	89	3746
Maillet, Raymond, Methods of Schlumberger's electrical prospecting	88	3609
Mead, S. P., Hyperfrequency wave guides—mathematical theory	89	3755
Mikhailov, I. G., The phase effect in the inductive method of geophysical prospecting	89	3747
—— Reducing of the primary field by means of a screened coil	89	3748
—— Electromagnetic field of an inclined frame	89	3749
Norton, K. A., The propagation of radio waves over the surface of the earth and in the upper atmosphere	89	3756
Novitchenko, V. N., Preliminary results of electrical coring in the Don Basin	90	3880
Ostermeier, J. B., Tectonic investigation by quantitative electrode methods	90	3881
Petroleum Engineer (editorial), Electrical logging and its applications in modern petroleum prospecting	89	3738
Petrowsky, A. A., Calculation of dielectric constant and specific resistivity from measurements of effective capacity and resistance	91	4042
Pylaev, A. M., Experiments with models by inductive method	89	3750
—— On the interpretation of the curves obtained from electrical investigation of three layers for the case of a high resistance of the third layer	90	3882
Riznichenko, G., Determination of depths by electro-profiling	90	3883
Rodionov, P. F., On the technique of the work applied to the method of a charged body and the method of isolines by using direct current	91	4043
Rooney, W. J., Earth-current variations with periods longer than one day	90	3884
Rossmann, F., On the radio difficulties during the Gronau flights over Greenland	90	3885
Rudnev, V. N., Electrical coring in the oil-bearing region of southern Emba	91	4044
Rülke, O., Influence of mud filling of boreholes on the apparent specific resistance	89	3744
—— The causes of the seismic-electrical effect	90	3891
Runge, Hans, Some experiences obtained in north and south Germany with electrical bore-hole investigations as additional means for stratigraphic determinations	88	3610
Safronov, A. P., New geophysical methods of prospecting for deposits based on the study of "aureoles of dissemination"	88	3611
Schelkunoff, S. A., Hyperfrequency wave guides—mathematical theory	89	3755
Semonov, A. S., The accuracy of the apparent resistivity measurements	90	3886

	No.	Abst.
Sergeev, E. A., New geophysical methods of prospecting for deposits based on the study of "aureoles of dissemination"	88	3611
—— The "loop" method in tectonic geophysical prospecting	90	3887
Shakhnes, K. A., Application of electrical prospecting to hydrology	89	3751
Shaw, S. H., Geoelectrical measurements in drill holes	89	3752
—— Geoelectrical measurements in drill holes	90	3888
Shpak, V. A., Application of the resistivity method to the search for steeply dipping lenses	90	3889
Smith, H. J., Electric methods of geophysics and application	90	3890
—— Geophysical survey of Sierra Vista mine, Eldorado County, Calif	91	4045
Soloviev, A. V., Tests of geophysical prospecting for pegmatite veins in the region of Biriuzinsk muscovite deposits	89	3753
Southworth, G. C., Hyperfrequency wave guides—general considerations and experimental results	89	3757
Spieker, E. M., Radio transmission and geology	88	3612
Stefanescu, S. S., On the theoretical foundations of electromagnetic prospecting by alternating current at very low frequency	88	3613
Storm, L. W., Electrical logging technique as applied to petroleum production and engineering problems	88	3614
Tagg, G. T., A new earth tester	88	3615
—— Interpretation of earth-resistivity curves	88	3616
Thomeer, J. H. M., The application of Schlumberger electrical logging in oil-field operations	91	4046
Tölke, F., Geophysical investigation of building ground with special consideration of geoelectrical methods of prospecting	91	4047
von Thyssen, St., The causes of the seismic-electrical effect	90	3891
Wade, R. T., Electrical logging technique as applied to petroleum production and engineering problems	88	3614
Walter, A. J. P., The probe electrode	91	4048
Whetton, J. T., The resistivity method applied to mining problems	91	4049
Wilson, C. H., Prospecting for oil structures by electrical methods	89	3745

5. RADIOACTIVE METHODS

Aeckerlein, G., Exploration of the interior of the earth by measuring emanation	90	3892
Asayama, Tetuzi, Radioactive investigation of the Hiei granite region	88	3617
Bajpai, M. P., Radioactivity of the Deccan traps, part 1, Basalts	90	3893
Becker, F., Conditions of emanation in the ground air	90	3896
Chukovenkov, P. D., Radioactivity of soil air	91	4050
—— Radioactivity of fertilizer ores	91	4051
Dubey, V. S., Radioactivity of the Deccan traps, part 1, Basalts	90	3893
Dymek, P. L., Investigation of the content of radium emanation in the free air in Innsbruck and on the Hafelekar (2,300 m)	91	4054
Evans, R. D., Apparatus for the determination of minute quantities of radium, radon, and thoron in solids, liquids, and gases	89	3758
Garrigue, Hubert, Radioactivity of the air in mountains	88	3618
—— Measurement of the radioactivity of the air enclosed inside of a snow layer near the ground in mountains	91	4052
Gavriusev, I. I., Radioactivity of soil air	91	4050
Gorshkov, G., An attempt to determine geological structure from the intensity of γ-emanation in the bore holes	90	3894
Grammakov, A., The influence of some factors on the spreading of radioactive emanations in natural conditions	88	3619
—— On the method for determining radioactivity from the ionization effect of β-emanation	90	3895
Hatuda, Zinitiro, Radium contents in rocks in Nippon	88	3620
Hée, Arlette, Prospecting by penetrating radiation in the Raon l'Etape trap and granite quarry	90	3897
Israel, H., Conditions of emanation in the ground air	90	3896
Kopcewicz, Th., Comparison of radioactivity of rocks of Alsace by the method of tube counters	91	4055
Kurbatov, L. M., An attempt to determine geological structure from the intensity of γ-emanation in bore holes	90	3894
—— On the radioactivity of bottom sediments	89	3759
Lane, A. C., Rating the geologic clock	89	3760

	No.	Abst.
Merkulova, E. S., Emanation of radium from the ground according to observations made in Slutsk	91	4053
Mouzon, J. C., Geiger-Müller counters	89	3761
Priebsch, J. A., Investigation of the content of radium emanation in the free air in Innsbruck and on the Hafelekar (2,300 m)	91	4045
Radinger, G., Investigation of the content of radium emanation in the free air in Innsbruck and on the Hafelekar (2,300 m)	91	4054
Rothé, Edmond, Prospecting by penetrating radiation in the Raon l'Etape trap and granite quarry	90	3897
—— Comparison of radioactivity of rocks of Alsace by the method of tube counters	91	4055
Scheuer, W. O. F., A new emanation balance	88	3621
Shpak, V. A., A new method for differentiating the rocks in bore holes by means of a gamma-impulse counter	91	4056
Starovatov, N. P., On the method for determining radioactivity from the ionization effect of β-emanation	90	3895
Tverskoy, P. N., On the method for determining radioactivity from the ionization effect of β-emanation	90	3895
Urondo, F. E., Radioactivity of the subsoil	90	3898
Urry, W. D., Radioactivity in rocks	88	3622

6. GEOTHERMAL METHODS

Deussen, Alexander, Use of temperature measurements for cementation control and correlations in drill holes	90	3899
Doll, H. G., Temperature measurements in oil wells	88	3623
Guyod, Hubert, Use of temperature measurements for cementation control and correlations in drill holes	90	3899
Koenigsberger, J. G., Geothermal measurements in mines and a review of the results in geothermics	91	4057
Korytnikova, N. N., Influence of heat conductivity of rocks on geoisotherms	90	3900
Kraskowsky, S., On the thermal conditions of salt domes	89	3762
—— Geothermal measurements in the Stalin region, Donetz Basin	89	3763
Lang, W. B., Geologic significance of a geothermal gradient curve	91	4058
Lovering, T. S., Heat conduction in dissimilar rocks and the use of thermal models	90	3901
Perebinossoff, A. A., Temperature measurements in oil wells	88	3623
Quiring, Heinrich, Recent geothermal investigations	90	3902
Schlumberger, M., Temperature measurements in oil wells	88	3623
Spicer, H. C., Tables of temperature, geothermal gradient, and age of a non-radioactive earth	88	3624
Van Orstrand, C. E., On the estimation of temperatures at moderate depths in the crust of the earth	91	4059

7. UNCLASSIFIED METHODS

Adams, L. H., The earth's interior, its nature and composition	88	3625
Antonov, P. L., On the fundamental equations of gas survey	89	3764
Barsch, O., Geophysical survey of the Reich as a foundation for discovering new deposits	88	3626
—— Organization of the geophysical survey of Germany	91	4060
Barton, D. C., The state of geologic research in the oil industry	91	4061
Blau, L. W., The interpretation of geophysical data	89	3765
—— The interpretation of geophysical data	90	3903
Boyer, Jacques, Actual development of geophysical prospecting in the world	91	4062
Brace, O. L., Interrelationship of geology and geophysics	88	3627
—— Interrelationship of geology and geophysics	90	3904
Clay, J., Intensity of cosmic rays in the earth's crust	89	3766
Day, L. J. L., Intensity of cosmic rays in the earth's crust	89	3766
De Golyer, E., Future of petroleum exploration in the United States	89	3767
Eby, J. B., Geophysics—its application to petroleum prospecting	89	3768
—— Progress of geophysics	90	3905
Edwards, M. G., Discoveries in California in 1936	91	4063
Fabiani, Ramiro, Preliminary comparison between geologic and geophysical characteristics of Sicily	89	3769
Fleming, J. A., Annual report of the director of the Department of Terrestrial Magnetism, Carnegie Institution of Washington	89	3770

	No.	Abst.
Forbush, S. E., On diurnal variation in cosmic-ray intensity	90	3906
Heald, K. C., The technique of exploration	91	4064
Hosi, T., On some similarities between the variation of the terrestrial magnetism and the atmospheric electricity	90	3907
Howell, L. G., Atmospheric potential gradient measurements	90	3908
Johnson, F. M. S., Foundation engineering by geophysics	88	3628
Johnson, W. R., Jr., Tracing a basic dike near Chapel Hill, N. C., by geoelectrical and geomagnetic methods	90	3909
Junner, N. R., Report of the Geological Survey Department for the financial year 1935–36, Gold Coast Colony	88	3629
Karcher, J. C., Geophysical prospecting for oil	88	3630
Kelly, S. F., Geophysics discloses hidden mineral wealth	88	3631
—— Geophysical prospecting	88	3632
—— Geophysical exploration, its place in prospecting	91	4065
—— Geophysical methods aid construction work	91	4067
Kosygin, A. I., Geophysical work in western Turkmenistan from 1930–36	91	4066
Landsberg, Helmut, Geophysics versus geology is an educational problem	90	3910
Liddle, R. A., The Van oilfield, Van Zandt County, Tex	90	3911
MacCarthy, G. R., Tracing a basic dike near Chapel Hill, N. C., by geoelectrical and geomagnetic methods	90	3909
Macelwane, J. B., A research library in the geophysical field	90	3912
Malamphy, M. C., Geophysical prospecting for petroleum structures in Alagoas	90	3913
McCampbell, G. R., Tracing a basic dike near Chapel Hill, N. C., by geoelectrical and geomagnetic methods	90	3909
Mills, Brad, Geophysical advancements keep pace with stringent Gulf Coast requirements	89	3771
Mogilevsky, G., Recent developments in the field methods of gas survey	90	3914
Oel und Kohle, Purposes and methods of work of geophysical prospecting for oil on the Gulf Coast of Texas and Louisiana	89	3773
Oil and Gas Journal, Petroleum geophysicists hold Houston meeting	88	3633
Pratt, W. E., Discovery rates in oil finding	90	3915
Ransone, K., The amount and distribution of seismic and gravity exploration in the Gulf Coast through 1936	90	3916
Rosaire, E. E., The amount and distribution of seismic and gravity exploration in the Gulf Coast through 1936	90	3916
Sergeev, E. S., The ion method of geophysical prospecting	90	3917
Solovov, A., The ion method of geophysical prospecting	90	3917
South African Mining and Engineering Journal (editorial), The geophysical search for minerals	88	3634
Stipe, C. G., Geophysical methods aid construction work	91	4067
Straley, H. W., Tracing a basic dike near Chapel Hill, N. C., by geoelectrical and geomagnetic methods	90	3909
Tiraspolsky, W., Geophysics	91	4068
Tucker, Mitchell, Geophysical crews busy in Mississippi, Alabama, and Florida	90	3918
Vacquier, Victor, Ultimate precision of barometric surveying	91	4069
Weatherby, B. B., The organization of an effective exploration department	89	3772
Wiersma, J. T., Intensity of cosmic rays in the earth's crust	89	3766
Williams, Neil, Geophysical exploration of East Indies conducted under great difficulties	88	3635
—— Geophysical results spur to further exploration	90	3919
Zwerger, R. V., Recent development of geophysics in the United States, especially in the Gulf Coast of Texas and Louisiana	90	3920

8. GEOLOGY

Albritten, C. C., Jr., Meteorite craters and their possible relationship to "cryptovolcanic structures"	88	3636
—— Meteorite scars in ancient rocks	90	3921
Barsch, O., On the origin of salt domes and the possibility of migration of oil	91	4070
Boon, J. D., Meteorite craters and their possible relationship to "cryptovolcanic structures"	88	3636
—— Meteorite scars in ancient rocks	90	3921
DeLury, J. S., Origin and movements of magma in a strong earth	91	4071

	No.	Abst.
Gelletich, Hans, On igneous magnetite-bearing dikes and the systems of dikes in the central part of southern Transvaal	90	3922
Geszti, Josef, Stratification process in a heterogeneous heavy celestial body of high temperature	89	3774
Gunn, Ross, Quantitative study of mountain building on an unsymmetrical earth	91	4072
Haskell, N. A., On the possibility of viscous behavior in crystalline rocks under dynamo-metamorphic conditions	90	3923
MacCarthy, G. R., The Carolina bays	91	4073
Ritz, C. H., Geomorphology of Gulf Coast salt structures and its economic application	88	3637
Shepard, F. P., "Salt" domes related to Mississippi submarine trough	91	4074
Thom, W. T., Jr., Position, extent, and structural make-up of Appalachia	89	3775

9. NEW BOOKS

American Askania Corporation, Manual of geophysical prospecting with magnetometer	89	3776
American Association of Petroleum Geologists, Gulf Coast oil fields	89	3780
Bodle, R. R., Earthquake Notes	88	3638
Carnegie Institution, Seismology	89	3777
Colorado School of Mines, Geophysical Studies, 1932–36	91	4075
Davidson, Charles, Great earthquakes	88	3639
Handwörterbuch der Naturwissenschaften (Dictionary of Natural Sciences)	91	4076
Imamura, Akitune, Theoretical and applied seismology	91	4077
Innes, J. R., Flash spotters and sound rangers	89	3781
Krejci-Graf, Karl, Erdöl	88	3640
Milne, E. A., Relativity, gravitation, and world structure	88	3641
National Research Council, Transactions of the American Geophysical Union, 18th annual meeting, June 21–26, 1937	91	4078
National Research Council of Japan, Geophysical observations during the total solar eclipse, June 19, 1936	89	3782
Nippoldt, A., Terrestrial magnetism, earth's current, and aurora borealis	90	3924
Rothé, Edmond, Proceedings of Union Géodesique et Géophysique International, Association de Seismologie, 6th conference, Edinburgh, September 14–26, 1936	91	4079
Society of Petroleum Geophysicists, Geophysics, a journal of general and applied geophysics, vol. 1, no. 2	89	3778
—— Geophysics, a journal of general and applied geophysics, vol. 1, no. 3	89	3779
Stočes, Bohuslav, Structural geology, with special reference to economic deposits	91	4080
Tromp, S. W., On the mechanism of the geological undulation phenomena in general and of folding in particular and their application to the problem of the "roots of mountains" theory	90	3925
Union Géodesique et Géophysique International, Association de Seismologie, Proceedings of 6th conference, Edinburgh, September 14–26, 1936	91	4079
White, C. H., Structural geology, with special reference to economic deposits	91	4080

10. PATENTS

UNITED STATES PATENTS

Askania-Werke Aktiengesellschaft, Torsion balance (2075625)	89	3787
—— Suspension for Eötvös balance (2089164)	91	4084
Barret, W. M., Electrical apparatus for locating bodies having anomalous electrical admittances (2066135)	88	3642
Bills, R. N., Subsurface exploration (2074161)	89	3783
Blau, L. W., Seismograph (2074043)	89	3784
—— Frequency comparing device for determining the force of gravity (2077390)	90	3926
Continental Oil Co., Seismophone (2084561)	90	3929
Dudley, O. E., System of geological explorations (2088588)	91	4083
Engineering Research Corporation, Electrical apparatus for locating bodies having anomalous electrical admittances (2066135)	88	3642
Fischer, Gerhard, Metalloscope (2066561)	88	3643
Geoanalyzer Corporation, Method of and apparatus for electrically exploring earth formations (2072950)	89	3785

	No.	Abst.
Geophysical Research Corporation, Method of making subsurface determinations (2062151)	88	3562
—— Subsurface exploration (2074161)	89	3783
Graf, Anton, Gravity instrument (2089745)	91	4086
Green, W. G., Seismograph (2062784)	88	3644
Gulf Research and Development Co., Method and means for recording terrestrial waves (2087702)	91	4082
Heiland, C. A., Vibration detector (2067636)	88	3645
Huber, F. W., Method and apparatus for electrically exploring earth formations (2072950)	89	3785
Imhof, Hermann, Torsion balance (2075625)	89	3787
—— Suspension for Eötvös balance (2089164)	91	4084
Lynton, E. D., Apparatus for orienting cores (2089216)	91	4085
Mayer, R. H., Electrical apparatus for locating bodies having anomalous electrical admittances (2066135)	88	3642
McDermott, Eugene, Method of electrically exploring bore holes (2070912)	89	3786
McHenry, K. L., Method of recording seismic waves (2063820)	88	3646
Melton, B. S., Electromagnetic prospecting method (2077707)	90	3927
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, of Netherlands, Torsion balance (2080062)	90	3928
Peters, L. J., Method and means for recording terrestrial waves (2087702)	91	4082
Prescott, H. R., Seismophone (2084561)	90	3929
Rainbow, H., Torsion balance (2080062)	90	3928
Ricker, N. H., Method and means of geophysical prospecting (2089983)	91	4087
Roux, Erwin, Torsion balance (2075625)	89	3787
Salvatori, Henri, Apparatus for determining subsurface geological formations (2064385)	88	3647
—— Method of making weathering corrections in seismic surveying (2087120)	91	4081
Shell Development Co., Apparatus for well surveying (2076211)	89	3788
Standard Oil Co., Seismic surveying (2064451)	88	3648
Standard Oil Co. of California, Apparatus for orienting cores (2089216)	91	4085
Standard Oil Development Co. of Delaware, Seismograph (2074043)	89	3784
—— Frequency comparing device for determining the force of gravity (2077390)	90	3926
—— Gravity measuring device (2090713)	91	4088
Statham, Louis, Seismograph (2074043)	89	3784
Straatman, A. G. H., Apparatus for well surveying (2076211)	89	3788
Submarine Signal Co., System of geological explorations (2088588)	91	4083
Voorhees, Vanderveer, Seismic surveying (2064451)	88	3648
Walling, Dean, Method of making weathering corrections in seismic surveying (2087120)	91	4081
Wascheck, G., Ground impedance measurement (2046436)	88	3649
Weatherby, B. B., Method of making subsurface determinations (2062151)	88	3650
Wilson, H. A., Gravity measuring device (2090713)	91	4088
Woodyard, K. C., Seismophone (2084561)	90	3929
Zuschlag, Theodor, Method and apparatus for electrical prospecting (2062630)	88	3651

BRITISH PATENTS

Caretta, Ettore, Device for determining the existence or the direction of a magnetic field (451850)	89	3789
Elwerath, Gewerkschaft, Improvements in or relating to torsion balances (457027)	89	3790
Lindblad, A. R., Improvements in methods of measuring the magnitude of the force of gravity (451817)	89	3791
—— Improved apparatus for measuring the magnitude of the force of gravity (455398)	89	3792
—— Improvements in methods of measuring the force of gravity (455405)	89	3793
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, of Netherlands, A method and apparatus for detecting water intrusion in bore holes (452076)	89	3794
Reeh, Erich, Improvements in or relating to torsion balances (457027)	89	3790
Towns, V. W. H., Improvements in magnetometers (448647)	88	3653
Warren, T. R., Improvements in or relating to methods of and means for locating earth faults on overhead electric power transmission lines (451288)	88	3652
Watts, E. R., & Son, Improvements in magnetometers (448647)	88	3653

CANADIAN PATENTS

	No.	Abst.
De Bataafsche Petroleum Mij., Gravity pendulum (361364)	91	4093
Geophysicists, Inc., Geophysical measurement-making apparatus (364924)	91	4096
Hasselmann, K. F., Geophysical measurement-making apparatus (364924)	91	4096
Holweck, Ferdinand, Gravity pendulum (361364)	91	4093
Lindblad, A. R., Force of gravity measuring method (360734)	91	4091
—— Force of gravity measuring method (360735)	91	4092
—— Force of gravity measuring method (363280)	91	4095
Lundberg, H. T. F., Electrical prospecting apparatus (363051)	91	4094
Matsubara, Atsushi, Prospecting method (366759)	91	4097
Salt Dome Oil Corporation, Geophysical measurement-making apparatus (364924)	91	4096
Shell Development Co., Gravity pendulum (361364)	91	4093
Swedish American Prospecting Corporation, Electrical prospecting method (351571)	91	4089
—— Electrical prospecting apparatus (352235)	91	4090
Zuschlag, Theodor, Electrical prospecting method (351571)	91	4089
—— Electrical prospecting apparatus (352235)	91	4090
—— Electrical prospecting apparatus (363051)	91	4094

FRENCH PATENTS

Elwerath Gewerkschaft, Torsion balance (809690)	90	3933
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, of Netherlands, Method of Geophysical prospecting, especially of exploration and location of mineral oil by electrical means (801397)	88	3654
Schlumberger, Conrad, Method for studying permeable layers penetrated by boring (797811)	88	3655
Société de Prospection Électrique, Method and apparatus for determining the direction and eventually the value of the dip in the ground penetrated by boring (804111)	89	3795
—— Apparatus for determining the direction and the value of the dip of layers penetrated by boring (805691)	89	3796
—— Improvement of electrical apparatus for investigating the ground and especially petroleum-bearing and water-bearing layers penetrated by boring (809152)	89	3797

GERMAN PATENTS

Companie Générale de Géophysique, Method for electrical prospecting of the subsoil by means of terrestrial currents contained in it (639046)	90	3931
Lorenser, Edward, Arrangement for measuring radium emanation, especially the content of emanation of the ground air (420511)	90	3930
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, of Netherlands, Method and apparatus for investigating various layers penetrated by boreholes (634816)	88	3656
Société de Prospection Électrique, Method and apparatus for determining the structure of the layers of the rocks penetrated by boreholes (644899)	90	3932

RUSSIAN PATENTS

Gamburtsev, G. A., Seismic method of prospecting by means of reflected waves (50338)	91	4098
Goncharski, L. A., Device for determining the anomalies of a magnetic field (50639)	91	4101
Korovin, K. K., Method of geophysical prospecting (50683)	91	4102
Rumiantsev, E. A., Device for determining the anomalies of a magnetic field (50639)	91	4101
Sergeev, E. A., Method of geophysical prospecting (50635)	91	4099
—— Electrode for geophysical prospecting (50867)	91	4103
Sofronov, N. I., Method of geophysical prospecting (50635)	91	4099
Solovov, A. P., Method of geophysical prospecting (50635)	91	4099
Tkachenko, V., Device for registering the marks made on the cable used in coring (50637)	91	4100

○